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Claims:

1. A compound of formula (I):

$$R^{1}$$
 X
 R^{3}
 (I)

wherein:

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X is selected from NH, S and O;

Y is selected from CH or N;

R¹ is selected from cyano, isocyano, C₁₋₆alkyl, -NR¹¹R¹², C₁₋₆alkoxy, C₂₋₆alkenyl, C₂₋₆alkynyl, cycloalkyl, cycloalkenyl, aryl, and heterocyclyl, provided R¹ is not thienyl; and wherein R¹ may be optionally substituted on one or more carbon atoms by one or more R⁹; and wherein if said R¹ contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁰;

R² and R³ are each independently selected from -C(=O)NR⁶R⁷, -SO₂NR¹⁶R¹⁷, -NHC(=O)NHR⁴, and -NHC(=NR⁸)NH₂;

 R^4 is selected from H, OH, -NR¹¹R¹², benzyl, C_{1-6} alkoxy, cycloalkyl, cylcoalkenyl, aryl, heterocyclyl, mercapto, CHO, -COaryl, -CO(C_{1-6} alkyl), -CONR³⁰R³¹, -CO₂(C_{1-6} alkyl), -CO₂aryl, -CO₂NR³⁰R³¹, -Salkyl, -SO(C_{1-6} alkyl), -SO₂(C_{1-6} alkyl), -Saryl, -SOaryl, -SO₂aryl, -SO₂NR³⁰R³¹, and -(C_{1-6} alkyl)SO₂ NR³⁰R³¹ wherein R⁴ may be optionally substituted on one or more carbon atoms by one or more R¹⁵; and wherein if said heterocyclyl contains a –NH- moiety, the nitrogen may be optionally substituted by a group selected from R¹⁴;

R⁶ and R⁷ are each independently selected from H, OH, OCH₃, C₁₋₆alkoxy, -NH₂, -NHCH₃, -N(CH₃)₂, (C₁₋₃alkyl)NR¹¹R¹², -CH₂CH₂OH, cycloalkyl, and a 5, 6, or 7- membered heterocyclyl ring containing at least one nitrogen atom, provided R⁶ and R⁷ are not both H; alternatively R⁶ and R⁷ taken together with the N to which they are attached form a heterocyclic ring; wherein R⁶ and R⁷ independently of each other may be optionally substituted on one or

more carbon atoms by one or more R¹⁸; and wherein if said heterocyclyl contains a -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁹;

R⁸ is selected from cyano, isocyano, -SO₂(C₁₋₆alkyl), -SO₂-aryl; -SO₂cycloalkyl, -SO₂cycloalkenyl, -SO₂heterocyclyl, and CF₃; wherein R⁸ may be optionally substituted on one or more carbon atoms by one or more R²³;

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 R^9 , R^{15} , R^{18} , R^{23} , R^{24} and R^{33} are each independently selected from halogen, nitro, -NR³⁰R³¹, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl, hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO, -NHCONR³⁰R³¹, -N(C₁₋₆alkyl)CONR³⁰R³¹, -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -CO₂(C₁₋₆alkyl), -CO₂(C₁₋₆alkyl), -CO₂(aryl), -CO₂(NR³⁰R³¹), mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO₂NR³⁰R³¹; wherein R⁹, R¹⁵, R¹⁸, R²³, R²⁴ and R³³ independently of each other may be optionally substituted on carbon by one or more R²⁰ and on nitrogen of any moiety that contains an NH or NH₂ by R²¹;

 R^{10} , R^{14} , R^{19} , R^{25} and R^{34} are each independently selected from halogen, nitro, -NR³⁰R³¹, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl, hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO, -NHCONR³⁰R³¹, -N(C₁₋₆alkyl)CONR³⁰R³¹, -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -CO₂(aryl), -CO₂(nR³⁰R³¹), mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO₂NR³⁰R³¹; wherein R¹⁰, R¹⁴, R¹⁹, R²⁵ and R³⁴ independently of each other may be optionally substituted on carbon by one or more R²² and on nitrogen of any moiety that contains an NH or NH₂ by R²³;

R¹¹ and R¹² are independently selected from H, C₁₋₆alkyl, cycloalkyl, aryl, heterocyclyl; alternatively R¹¹ and R¹² taken together with the N to which they are attached form a heterocyclic ring; wherein R¹¹ and R¹² independently of each other may be optionally substituted on carbon by one or more R³³; and wherein if said heterocyclyl contains a -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R³⁴;

R¹⁶ and R¹⁷ are each independently selected from H, OH, OCH₃, C₁₋₆alkoxy, NH₂,
-NHCH₃, -N(CH₃)₂, (C₁₋₃alkyl)NR¹¹R¹², -CH₂CH₂OH, cycloalkyl, aryl, or a 5, 6 or 7-membered heterocyclyl ring containing at least one nitrogen atom, provided R¹⁶ and R¹⁷ are not both H; alternatively R¹⁶ and R¹⁷ taken together with the N to which they are attached form an optionally substituted heterocyclic ring; wherein R¹⁶ and R¹⁷ independently of each other may be optionally substituted on one or more carbon atoms by one or more R²⁴; and wherein if said heterocyclyl contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R²⁵;

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R²⁰, R²² and R³² are each independently selected from halogen, nitro,

-NR³⁰R³¹, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl, hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO,

-NHCONR³⁰R³¹, -N(C₁₋₆alkyl)CONR³⁰R³¹, -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -COheterocyclyl, -COcycloalkyl, -CO₂H, -CO₂(C₁₋₆alkyl), -CO₂(aryl), -CO₂(NR³⁰R³¹),

mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO₂NR³⁰R³¹; wherein R²⁰, R²¹ and R³² independently of each other may be optionally substituted on carbon by one or more R²⁶ and on nitrogen of any moiety that contains an NH or NH₂ by R²⁷;

R²¹, R²³ and R³⁵ are each independently selected from halogen, nitro,
-NR³⁰R³¹, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl,
hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO,
-NHCONR³⁰R³¹, -N(C₁₋₆alkyl)CONR³⁰R³¹, -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -COheterocyclyl, -COcycloalkyl, -CO₂H, -CO₂(C₁₋₆alkyl), -CO₂(aryl), -CO₂(NR³⁰R³¹),
mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO₂NR³⁰R³¹; wherein R²¹, R²³ and R³⁵
independently of each other may be optionally substituted on carbon by one or more R²⁸ and on
nitrogen of any moiety that contains an NH by R²⁹;

R²⁶ and R²⁸ are each independently selected from halogen, nitro,
-NR³⁰R³¹, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl,
hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO,

-NHCONR³⁰R³¹, -N(C₁₋₆alkyl)CONR³⁰R³¹, -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -COheterocyclyl, -COcycloalkyl, -CO₂H, -CO₂(C₁₋₆alkyl), -CO₂(aryl), -CO₂(NR³⁰R³¹), mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO₂NR³⁰R³¹;

R²⁷ and R²⁹ are each independently selected from halogen, nitro, -NR³⁰R³¹, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl, hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO, -NHCONR³⁰R³¹, -N(C₁₋₆alkyl)CONR³⁰R³¹, -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -CO₂(NR³⁰R³¹), mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO₂NR³⁰R³¹;

R³⁰ and R³¹ are each independently selected from halogen, nitro, -NH₂, cyano, isocyano, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, aryl, cycloalkyl, heterocyclyl, hydroxy, keto(=O), -O(C₁₋₆alkyl), -Oaryl, -OCOalkyl, -NHCHO, -N(C₁₋₆alkyl)CHO, -NHCONR¹¹R¹², -N(C₁₋₆alkyl)CONR¹¹R¹², -NHCOalkyl, -NHCO₂(C₁₋₆alkyl); -NHCO₂H, -N(C₁₋₆alkyl)CO(C₁₋₆alkyl), -NHSO₂(C₁₋₆alkyl), carboxy, -amidino, -CHO, -CONR³⁰R³¹, -CO(C₁₋₆alkyl), -COheterocyclyl, -COcycloalkyl, -CO₂H, -CO₂(C₁₋₆alkyl), -CO₂(aryl), -CO₂(NR³⁰R³¹), mercapto, -S(C₁₋₆alkyl), -SO(C₁₋₆alkyl), -SO₂(C₁₋₆alkyl), -SO2NR¹¹R¹²; wherein R³⁰ and R³¹ independently of each other may be optionally substituted on carbon by one or more R³²; and wherein if said heterocyclyl contains a -NH- or NH₂ moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R³⁵;

or a pharmaceutically acceptable salt thereof;

provided that when X is S; Y is CH; R₂ is C(=O)NR⁶R⁷; and R³ is NHC(=O)NHR⁴; then R¹ cannot be

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wherein R^5 is selected from H, optionally substituted carbocyclyl, or optionally substituted C_{1-6} alkyl; with the further proviso that said compound is not

5-Methyl-2-ureido-thiophene-3-carboxylic acid (1-ethyl-piperidin-3-yl)-amide; [3-((S)-3-Amino-azepane-1-carbonyl)-5-ethyl-thiophen-2-yl]-urea;

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2-Morpholin-4-yl-4-ureido-thiazole-5-carboxylic acid (S)-piperidin-3-ylamide;

- 2-Methyl-5-ureido-oxazole-4-carboxylic acid (S)-piperidin-3-ylamide;
- 5-(4-Chloro-phenyl)-3-{3-[(R)-1-(2,2,2-trifluoro-acetyl)-piperidin-3-yl]-ureido}- * thiophene-2-carboxylic acid (S)-piperidin-3-ylamide; or
 - N-(3-{[(3S)-3-aminoazepan-1-yl]carbonyl}-5-pyridin-2-yl-2-thienyl)urea.

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- 2. A compound of formula (I), or a pharmaceutically acceptable salt thereof, according to claim 1, wherein R^1 is selected from cycloalkyl, cycloalkenyl, aryl, and heterocyclyl, provided R^1 is not thienyl; and wherein R^1 may be optionally substituted on one or more carbon atoms by one or more R^9 ; and further wherein if said heterocyclyl contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R^{10} .
- 3. A compound of formula (I), or a pharmaceutically acceptable salt thereof, according to claim 1 or 2 wherein R^1 is aryl optionally substituted on one or more carbon atoms by one or more R^9 .
- 4. A compound of formula(I), or a pharmaceutically acceptable salt thereof, according to any one of claims 1-3 wherein one of R² and R³ is -SO₂N R¹⁶R¹⁷ and the other is -NHC(=O)NHR⁴.
- 5. A compound of formula (I), or a pharmaceutically acceptable salt thereof, according to any one of claims 1-4 wherein one of R² and R³ is -C(=O)NR⁶R⁷ and the other is -NHC(=O)NHR⁴.
- 6. A compound of formula (I), or a pharmaceutically acceptable salt thereof, according to any one of claims 1-5 wherein one of R² and R³ is C(=0)NR⁶R⁷ and the other is -NHC(=0)NHR⁴; R⁶ is H and R⁷ is a 5, 6, or 7-membered heterocycyclyl ring containing at least one nitrogen atom;
 25 and wherein said heterocyclyl may be optionally substituted on one or more carbon atoms by one or more R¹⁸; and further wherein if said heterocyclyl contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁹.

- 7. A compound of formula (I), or a pharmaceutically acceptable salt thereof, according to any one of claims 1 to 5 wherein R⁶ and R⁷ taken together with the N to which they are attached form an optionally substituted heterocyclic ring which may be optionally substituted on one or more carbon atoms by one or more R¹⁸; and wherein if said heterocyclyl contains a -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁹.
- 8. A compound of formula (II), or a pharmaceutically acceptable salt thereof,

$$R^{1}$$
 S
 R^{2}
 R^{3}

wherein R^1 , R^2 , and R^3 are as defined in any one of claims 1-7

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9. A compound, or pharmaceutically acceptable salt according to any one of claims 1, 2, 5, 6 and8 wherein

 R^2 is $-C(=O)NR^6R^7$;

 R^3 is -NHC(=0)NH R^4 ;

R⁶ is H; R⁷ is a 5, 6, or 7-membered heterocycyclyl ring containing at least one nitrogen atom; wherein said heterocyclyl may be optionally substituted on one or more carbon atoms by one or more R¹⁸; and further wherein if said heterocyclyl contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁰; and

R¹ is selected from cycloalkyl, cycloalkenyl, aryl, and heterocyclyl, provided R¹ is not thienyl; and wherein R¹ may be optionally substituted on one or more carbon atoms by one or more R⁹; and further wherein if said heterocyclyl contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁹.

- 10. A compound, or pharmaceutically acceptable salt thereof, according to any one of claims 1,
- 25 2, 5, 6, 8 and 9 wherein

 R^{3} is -C(=0)NR⁶R⁷;

 R^2 is -NHC(=0)NHR⁴;

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R⁶ is H; R⁷ is a 5, 6, or 7-membered heterocycyclyl ring containing at least one nitrogen atom wherein R⁷ may be optionally substituted on one or more carbon atoms by one or more R¹⁸; and wherein if said heterocyclyl contains a -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁹; and R¹ is selected from cycloalkyl, cycloalkenyl, aryl, and heterocyclyl, provided R¹ is not thienyl; and wherein R¹ may be optionally 5 substituted on one or more carbon atoms by one or more R⁹; and further wherein if said heterocyclyl contains an -NH- moiety, the nitrogen of said moiety may be optionally substituted by a group selected from R¹⁰

- 10 11. A compound, or pharmaceutically acceptable salt, according to claim 1 selected from 5-(3-Fluoro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide; 5-Phenyl-2-ureido-thiophene-3-carboxylic acid (S)-piperidin-3-ylamide; 5-(3,5-Difluoro-phenyl)-2-ureido-thiophene-3-carboxylic acid (S)-piperidin-3-ylamide; 5-(4-Fluoro-phenyl)-2-ureido-thiophene-3-carboxylic acid (S)-piperidin-3-ylamide; 5-(4-Chloro-phenyl)-2-ureido-thiophene-3-carboxylic acid (S)-piperidin-3-ylamide; 15 5-(3-Chloro-phenyl)-2-ureido-thiophene-3-carboxylic acid (S)-piperidin-3-ylamide; 5-[4-(Piperidine-1-carbonyl)-phenyl]-2-ureido-thiophene-3-carboxylic acid (S)-piperidin-3ylamide; 5-(4-Cyano-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide;
- 5-[4-(Piperidine-1-carbonyl)-phenyl]-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-20 ylamide;
 - 5-(3,4-Difluoro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide;
 - 5-(3-Chloro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide;
 - 5-(2,3-Difluoro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide;
 - 5-(2,4-Difluoro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide;
 - 5-(3,5-Difluoro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide;
 - 5-Phenyl-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide; and
 - 5-(4-Chloro-phenyl)-3-ureido-thiophene-2-carboxylic acid (S)-piperidin-3-ylamide.

- 12. A compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, for use in the treatment or prophylaxis of disorders associated with cancer.
- 13. A compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, for the use in treatment or prophylaxis of neoplastic disease such as cervical cancer, cancer of the head and neck, carcinoma of the breast, ovary, lung(non small cell), pancreas,, colon, prostate or other tissues, as well as leukemias and lymphomas, tumors of the central and peripheral nervous system, and other tumor types such as melanoma, fibrosarcoma and osteosarcoma.

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14. A compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, for use in the treatment or prophylaxis of proliferative diseases including autoimmune, inflammatory, neurological, and cardiovascular diseases.

- 15. A method of limiting cell proliferation in a human or animal comprising administering to said human or animal a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
- 16. A method of treatment of a human or animal suffering from cancer comprising administering to said human or animal a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
 - 17. A method of prophylaxis treatment of cancer comprising administering to a human or animal in need of such treatment a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
 - 18. A method of treatment of a human or animal suffering from a neoplastic disease such as cervical cancer, cancer of the head and neck, carcinoma of the breast, ovary, lung (non small cell), pancreas, colon, prostate or other tissues, as well as leukemias and lymphomas, tumors of the central and peripheral nervous system, and other tumor types such as melanomasarcomas

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including fibrosarcoma and osteosarcoma, malignant brain tumors, comprising administering to said human or animal a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.

- 19. A method of treatment of a human or animal suffering from a proliferative disease such as autoimmune, inflammatory, neurological, and cardiovascular diseases comprising administering to said human or animal a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
- 20. A method of treating cancer comprising administering to a human a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, and an antitumor agent.
- 21. A method of treating cancer comprising administering to a human or animal a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, and a DNA damaging agent.
 - 22. A method for the treatment of infections associated with cancer comprising administering to a human or animal in need of such treatment a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
 - 23. A method for the prophylaxis treatment of infections associated with cancer comprising administering to a human or animal in need of such treatment a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
 - 24. A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, together with at least one pharmaceutically acceptable carrier, diluent or excipent.

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- 25. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, in the preparation of a medicament.
- 26. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, in the preparation of a medicament for the treatment or prophylaxis of cancer.

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- 27. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, in the preparation of a medicament for the treatment or prophylaxis of neoplastic disease such as carcinoma of the breast, ovary, lung, colon, prostate or other tissues, as well as leukemias and lymphomas including CLL and CML, tumors of the central and peripheral nervous system, and other tumor types such as melanoma, fibrosarcoma and osteosarcoma.
- 28. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, in the preparation of a medicament for the treatment or prophylaxis of proliferative diseases including autoimmune, inflammatory, neurological, and cardiovascular diseases
- 29. A method of inhibiting CHK1 kinase comprising administering to an animal or human in need of said inhibiting a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11.
- 30. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, in the preparation of a medicament for use in the inhibition of CHK1 kinase activity.
- 31. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any one of claims 1-11, in the preparation of a medicament for use in limiting cell proliferation.

- 32. A process for the preparation of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in any one of claims 1 to 11, which comprises:
- a. reacting a compound with formula (III) wherein A is thienyl and L is a displaceable

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with an amine of formula (IV);

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to yield a compound of formula (V)

b. reacting a compound with formula (V) with a boronic acid or ester

to form a compound of formula (I); and

c. optionally

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- i) converting a compound of the formula (I) into another compound of the formula (I); and/or
- ii) forming a pharmaceutically acceptable salt thereof.
- 33. A process for the preparation of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in any one of claims 1 to 11, which comprises:
 - a. reacting a compound of formula (VII) wherein A is thienyl and R is a hydrocarbon radical;

with a boronic acid or ester to form a compound of formula (VIII):

b. reacting a compound of formula (VIII) with an amine of formula (IV)

to form a compound of formula (I); and

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- c. optionally,
- i) converting a compound of the formula (I) into another compound of the formula (I); and/or
- ii) forming a pharmaceutically acceptable salt thereof.
- 34. A process for the preparation of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in any one of claims 1 to 11 which comprises:
- a. reacting a compound of formula (IX) wherein A is thienyl and R is a hydrocarbon radical;

$$R^1$$
 A
 NH_2
 (IX)

with a concentrated hydroxide base to form a compound of formula (X);

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$$R^1$$
 A
 NH_2
 (X)

b. reacting the compound of formula (X) with an amine of formula (IV)

(IV)

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to form a compound of formula (XI)

c. reacting the compound of formula (XI) with a compound selected from compounds of formulas (XII), (XIII) and a carbonylation reagent or (XIV);

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to form a compound of formula (I); and

- d. optionally,
- i) converting a compound of the formula (I) into another compound of the formula (I); and/or

(XIV)

- ii) forming a pharmaceutically acceptable salt thereof.
 - 35. A compound of formula (XV), (XVI) or (XI)

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 R^6
 R^7
 NH
 R^4
 R^4

$$R^{1}$$
 A
 R^{7}
 NH_{2}
 (XI)

wherein R¹ is aryl and R⁴, R⁶ and R⁷ are as defined in formula (I), A is a thienyl ring and R is a hydrocarbon radical and provided that the compound of formula (XI) is not 3-Amino-5-(4-chloro-phenyl)-thiophene-2-carboxylic acid [(1R,2R)-2-(2,4-difluoro-phenyl)-2-hydroxy-1-methyl-3-[1,2,4]triazol-1-yl-propyl]-amide.

36. The use of compounds of formulas (XV), (XVI), (XI)

wherein R¹ is aryl and R⁴, R⁶ and R⁷ are as defined in formula (I), A is a thienyl ring and R is a hydrocarbon radical or pharmaceutically acceptable salts or an *in vivo* hydrolysable precursor in the manufacture of a compound of formula (I) according to any one of claims 1-11.